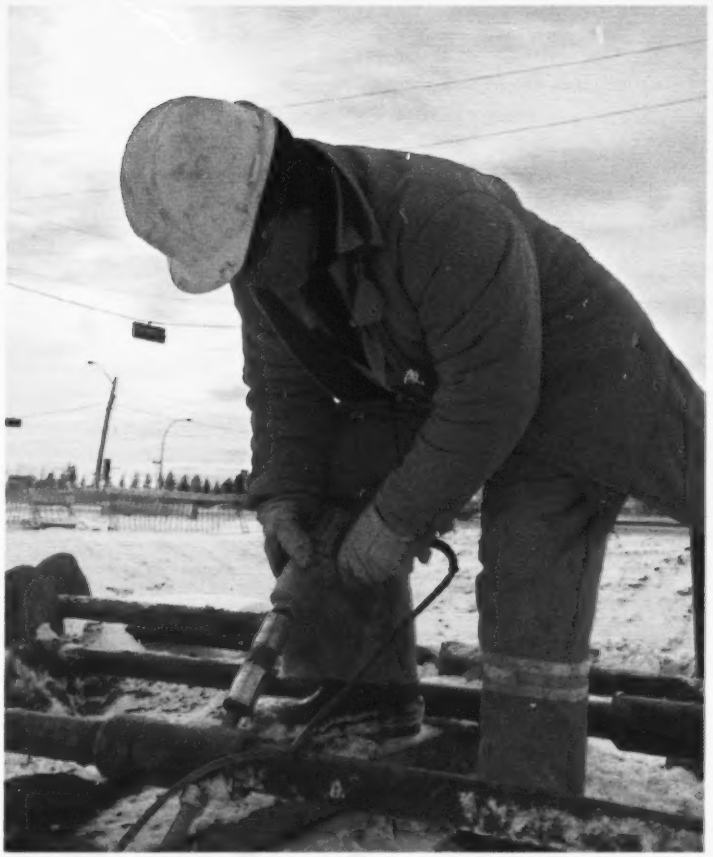

INDUSTRY PROFILES

Construction Industry

June 2013

Alberta

Overview:

The Construction industry[1] in Alberta includes establishments that:

- construct, repair or renovate residential buildings (i.e. houses, apartment buildings, condominiums);
- construct, repair or renovate business and commercial buildings (i.e. office towers, shops, malls);
- construct, repair or renovate industrial buildings (i.e. oil refineries, petrochemical plants, power plants);
- perform engineering works (i.e. highways, bridges, pipelines); and
- subdivide and develop land.

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[1] North American Industry Classification System (NAICS) major group 23

Section A: Business Environment

1. 2012 Employment and Unemployment Numbers and Rates:

	Alberta	Construction Industry
Number of employed	2,149,600	226,600
Percent employed in the industry		10.5%
Number of unemployed	103,800	12,000
Unemployment rate	4.6%	5.0%

Data Source: Statistics Canada, Labour Force Survey, CANSIM Table 282-0008, 2013

For more information on employment numbers or for a historical comparison, please go to the Labour Force Statistics[2] or Statistics Canada[3] websites.

2. Industry's Growth:

- This industry accounted for 10.5% of total employment in Alberta in 2012.
- Employment in the Construction industry is expected to grow at an average rate of 4.0% from 2011 to 2015.
- The industry is expected to account for 11.1% of total employment in Alberta in 2015.

For more information, see the *Alberta Modified Canadian Occupational Projection System (COPS) Outlook 2011 – 2015, Industry Employment Outlook*[4] online and the Alberta Learning Information Service (ALIS)[5] website for descriptions of industries.

[2] See http://www.eae.alberta.ca/lmi
[3] See http://www.statcan.gc.ca
[4] See http://eae.alberta.ca/labour-and-immigration/labour-market-information/labour-market-forecasts.aspx
[5] See http://www.alis.alberta.ca

3. Facts, Trends and Outlook:

According to Statistics Canada's National Economic Accounts, the Construction industry accounted for 7.8% of Alberta's Gross Domestic Product in 2011, the same as in 2001. This industry had the third largest employment and its share of Alberta's total employment increased from 8.4% in 2002 to 10.5% in 2012.

Employment in 2012 was 7.5% higher than its level in 2011. Over the last ten years, employment (the total number of employees and self-employed people) increased from 140,300 people in 2002 to 226,600 people in 2012, a 61.5% increase. There were 166,700 employees in the industry in 2012 of whom 86.0% were permanent and 14.0% were temporary. Self-employed people accounted for 26.4% of total employment in the industry in 2012.

Characteristic	Alberta	Construction
Median Retirement Age (years)	63.7	69.7
Average Number of Hours Worked per Week	38.2	43.4
Multiple Jobholders (% of total employment)	5.7%	2.4%
Average Job Tenure (months)	88.8	75.1
Employees Under Union Coverage (%)	23.5%	19.4%
Employees Working Overtime per Week (%)	26.0%	36.9%

Data Source: Statistics Canada, Labour Force Survey, CANSIM Tables 282-0022, 282-0031, 282-0042, 282-078 and 282-0084, 2013, and custom tabulation (median retirement age)

Note: The percentage of multiple jobholders in Alberta is obtained by dividing the number of multiple jobholders in Alberta by total employment in Alberta. The percentage of multiple jobholders in the industry is obtained by dividing the number of multiple jobholders in the industry by total employment in the industry. This calculation method also applies to the percentage of employees under union coverage and the percentage of employees working overtime per week.

According to *Alberta Occupational Demand Outlook 2012-2016*[6], employment growth in the following occupations is expected to be below 2.4%, the average for all occupations: Plumbers, pipefitters and gas fitters; Carpenters and cabinetmakers; Masonry and plastering trades; Electrical trades; Heavy equipment operators; Crane operators, drillers and blasters; and Other construction trades.

[6] See http://eae.alberta.ca/labour-and-immigration/labour-market-information/labour-market-forecasts.aspx

The Construction Sector Council's (CSC) forecast report, *Construction Looking Forward, An Assessment of Construction Labour Markets from 2012 to 2020 for Alberta*, estimates that employment in the industry will increase by 35,200 during the forecast period.

The outlook for investment in Alberta is an important driver of the demand for construction trades. The CSC current outlook can be seen in the table below.

Investment Expenditures, Alberta, 2011-2020						
	2011	2012	2013	2014	2015	2016-2020*
Residential Investment (includes new housing, renovations and maintenance)						
2002 $Millions	8,287	9,385	9,949	10,569	10,865	11,983
% Change	-5.2	13.2	6.0	6.2	2.8	2.0
Non-residential Investment (includes engineering construction, building construction, industrial construction, commercial construction, institutional and government construction and maintenance)						
2002 $Millions	25,240	26,166	26,462	26,312	27,547	33,413
% Change	7.6	3.7	1.1	-0.6	4.7	4.0

Source: *Construction Looking Forward – An Assessment of Construction Labour Markets from 2012 to 2020 for Alberta*, Construction Sector Council

*Growth rates are averages for the period, while levels are 2020 values.

4. Size of Businesses in Alberta and the Industry:

Establishment Size	Businesses in Alberta		Businesses in Construction	
	Number of Employees	%*	Number of Employees	%*
Less than 20 employees	633,200	35.1%	75,900	45.3%
20 to 99 employees	634,600	35.2%	54,000	32.4%
100 to 500 employees	342,100	19.0%	26,100	15.7%
Over 500 employees	194,400	10.8%	10,800	6.5%

Data Source: Statistics Canada, Labour Force Survey, CANSIM 282-0076, 2013

* Percentages may not add up to 100 due to rounding.

Note: Statistics Canada's survey methodology for determining establishment size differs from the one it uses in the Labour Force Survey to determine total employment. As a result, the total number of employees by establishment size will not be the same as total employment in the industry, except by coincidence.

Section B: Human Resources Profile

1. Occupational Information:

Some examples of occupations in the Construction industry include:

- bricklayer;
- carpenter;
- electrician;
- roofer; and
- steamfitter-pipefitter.

For a complete listing of all occupations related to this industry as well as detailed information on educational and skill requirements, visit the Alberta Occupational Profiles[7] website.

2. Demographics: Gender and Age:

According to the Labour Force Survey, the gender breakdown in the Construction industry in 2011 was as follows:

- women employed: 32,100 people, or 14.2%
- men employed: 194,500 people, or 85.8%

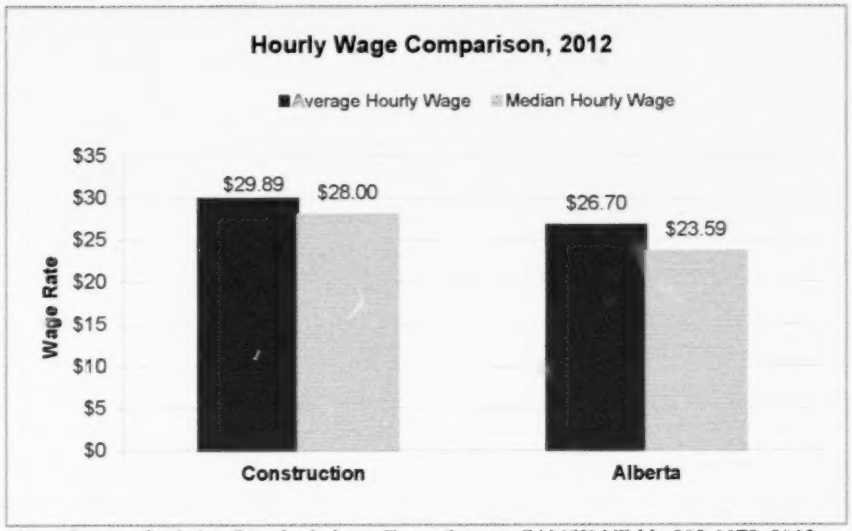
In Alberta, women accounted for 44.8% and men made up 55.2% of total employment.

Age Characteristics	Employment in Alberta		Employment in Construction	
	Number	%	Number	%
15-24 years	315,500	14.7%	36,300	16.0%
25-54 years	1,458,300	67.8%	155,900	68.8%
55 years and over	375,800	17.5%	34,400	15.2%

Data Source: Statistics Canada, Labour Force Survey, CANSIM 282-0008, 2013

[7] See http://www.alis.alberta.ca/occinfo

3. Wages:



Data Source: Statistics Canada, Labour Force Survey, CANSIM Table 282-0072, 2013
Note: The average hourly wage is obtained by dividing the sum of the wages of all the employees by the total number of employees. The median hourly wage is that wage below which half the employees earn and above which half the employees earn.

Wage and Salary Information for Selected Occupations

Occupation	Average Hourly Wage			Average Annual Salary
	Starting Average	Overall Average	Top Average	
Welders and related machine operator	$ 30.61	$ 36.12	$ 42.29	$ 79,605
Electrician	$ 23.54	$ 34.25	$ 37.60	$ 72,968
Carpenter	$ 22.73	$ 27.69	$ 32.40	$ 62,158
Steamfitter-Pipefitter	$ 28.64	$ 34.72	$ 39.92	$ 85,243

Data Source: 2011 Alberta Wage and Salary Survey

For more information on the 2011 Alberta Wage and Salary Survey, refer to the WAGEinfo[8] website. For job descriptions, duties, required skills and education requirements for specific occupations in the Construction industry, visit the ALIS[9] website.

[8] See http://www.alis.alberta.ca/wageinfo
[9] See http://www.alis.alberta.ca

Section C: Additional Information

Links to Selected Associations in Industry:

- Alberta Construction Association
  (http://albertaconstruction.net)
- Alberta Construction Safety Association
  (http://www.acsa-safety.org)
- Alberta Roadbuilders and Heavy Construction Association
  (http://www.arhca.ab.ca)
- Calgary Construction Association
  (http://www.cca.cc)
- Calgary Region Home Builders Association
  (http://www.chbacalgary.com)
- Canadian Home Builders' Association - Alberta
  (http://chbaalberta.ca)
- Construction Owners Association of Alberta
  (http://www.coaa.ab.ca)
- Construction Sector Council
  (http://www.csc-ca.org)
- Edmonton Construction Association
  (http://www.edmca.com)
- Electrical Contractors Association of Alberta
  (http://www.ecaa.ab.ca)
- Merit Contractors Association
  (http://www.meritalberta.com)